PROGRAM
DEVELOPMENT
AND SUPPORT
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Final Report

TAD Project # 2001 0159-TAD3

Enhanced Research Infrastructure at the CDC.

F.A. (Rick) Holm, PAg.

Director, Crop Development Centre

University of Saskatchewan

104-03075/

Abstract/Summary:
Portions of the Crop Science Field Laboratory at the Crop Development Centre, University of Saskatchewan, were renovated to provide field laboratory space and sample processing space for the New Crops Development Program at a cost of $100,000. Field research equipment and drying equipment valued at $180,000 was also purchased to support this program and the pulse pathology program.

Executive Summary:
Since this was not a research project, the Executive Summary is the same as the Abstract.

Technical report:

The objective of this project was to enhance the research infrastructure at the Crop Development Centre's Crop Science Field Laboratory at Preston Avenue and 108th St. in Saskatoon to accommodate a New Crops Development Program and to provide sample drying equipment for New Crops and the Pulse Pathology Program.

A room previously used as a woodworking/general work room was converted into a laboratory to house the New Crops Development Program. The renovations consisted of installation of suitable laboratory benches, storage cupboards, lighting, plumbing, flooring and electrical services. Laboratory work tables were also acquired. This room will serve as the field headquarters for the New Crops Development Program. It will be used by Dr. Waterer, and an as yet to be appointed Research Officer, Technicians, Summer Students and potentially Graduate Students associated with the program.

Additional space in the Crop Science Field Laboratory was renovated to provide general working space for this program. The development in this area consisted of installing insulation, drywall, heating, lighting, electrical service and work tables in an area previously used for seed storage. This area will accommodate the "dirtier" activities associated with the New Crops Development Program, such as sample threshing and cleaning and other primary sample processing activities which cannot be accommodated in the laboratory as the lab will also be used as office space for the field staff. The general working area will provide housing for some of the drying equipment that has been purchased to support the program.

The cost of these renovations was $139,000. One hundred thousand dollars from this project was used to cover these costs. The remaining $39,000 was paid for from other CDC sources.

The remaining $180,000 was used to acquire equipment that will be used to support the New Crops Development Program and the Pulse Pathology Program. Some of this equipment will be shared with other programs at least initially until the New Crops Program is fully operational. The following equipment has been purchased.

Equipment Purchases

Item	Cost ($)*	Comment
¾ Ton truck	$27,762.56	For use by New Crops Program
Flat-bed trailer	$6,606.91	For use by New Crops Program
Plot combine	$126,346.86	For use by New Crops Program. To be shared with other CDC programs.
Drying ovens	$19,315.00	For use by New Crops / Pulse Pathology / Pulse Crop Physiology
Total	**$180,031.33**	

* The cost of the truck and trailer are firm. The plot combine and drying ovens are priced in US $ so the final price will be determined by the exchange rate on the date of settlement. As the New Crops Program develops, other specialized research equipment will be required and it will be purchased from other CDC sources to acknowledge that some equipment purchased with these funds will be shared with other CDC programs.

Personnel:
No personnel were paid from funds allocated to this project. The following staff, all paid from other sources, contributed to the project:

Mr. Kirk Blomquist, Superintendent, Field Operations, Department of Plant Sciences
Dr. Doug Waterer, Associate Professor, Department of Plant Sciences
Dr. Rosalind Ball, Assistant Professor, Department of Plant Sciences
Dr. Sabine Banniza, Assistant Professor (CDC), Department of Plant Sciences
Prof. Rick Holm, Director, Crop Development Centre
Ms. Marlene Freeman, Administrative Assistant, Crop Development Centre

Equipment:
See the listing of equipment purchased under "Technical Report" above.

Project Developed Materials:
As this was not a research project, no materials were developed.

Project Photos:
None.

Acknowledgements:
The provincial government's contribution will be acknowledged at appropriate field days and building tours.

Expense Statement:
To be provided by U of Saskatchewan Financial Services.

ICAR Data Entry:
No ICAR entry has been made as this was not a research project.